ODS 5143

OBSTRUCTION DATA SHEET

ODS 5143
LIMA ALLEN COUNTY AIRPORT
LIMA, OHIO

DIGITIZED FROM

OC 5143
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7TH EDITION

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See SPECIAL NOTICES in "Dates of Latest Editions, Airport Obstruction Charts - Obstruction Data Sheets," for possible corrections. National Oceanic and Atmospheric Administration (NOAA) publications are available through NOAA Distribution Branch (N/CG33), National Ocean Service, Riverdale, MD 20737. Telephone: 301-436-6990

OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS (and OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)

2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

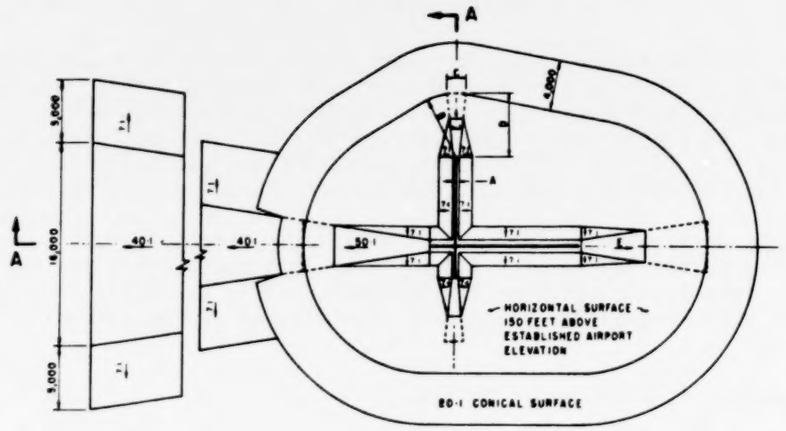
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows (see footnote 2 on page 3):

A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C .... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D .... Nonutility runway - nonprecision instrument approach with visibility minimums as low as 3/4 mile
PIR ...... Precision instrument runway
SUPLC ... Supplemental C underlying a B(V)

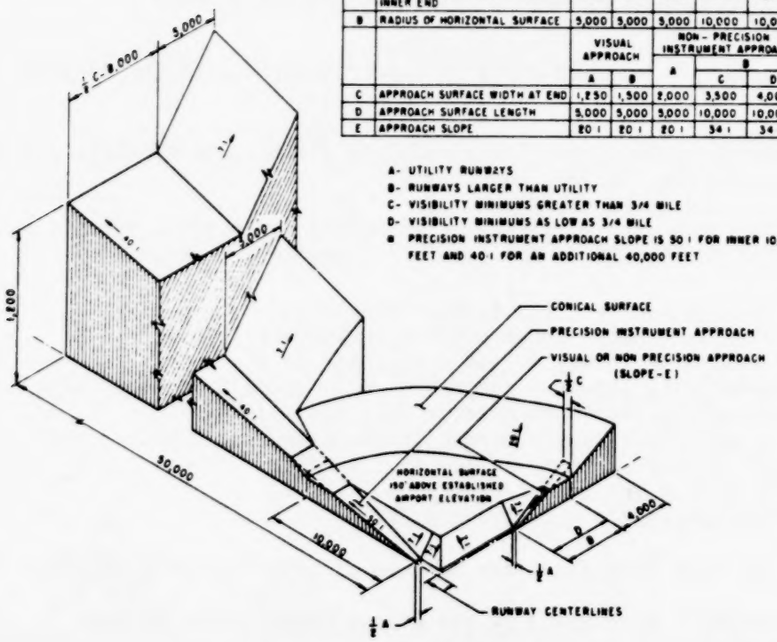
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B C	B D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B C	B D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

A- UTILITY RUNWAYS
B- RUNWAYS LARGER THAN UTILITY
C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
* PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X^{1}	X^{2} XXXX/XXXX^{3}	XXXXXX.XXX^{4}	XXXXXXX.XXX^{4}	XXXXXXX^{5}	XXXX/XXXX^{6}	XXXXXX.XXX^{7}	XXXXXXX.XXX^{7}

OBJECT	LAT	LONG	A^{8}	ELEV^{9}	AGL^{10}	HAR^{11}	HAT^{11}	HAA^{11}	DEND^{12}	DTHR^{12}	DCLN^{12}	PNTR^{13}
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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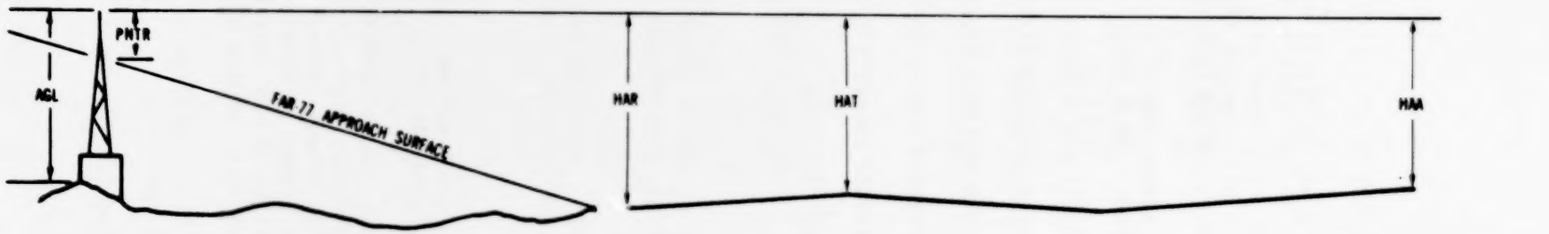

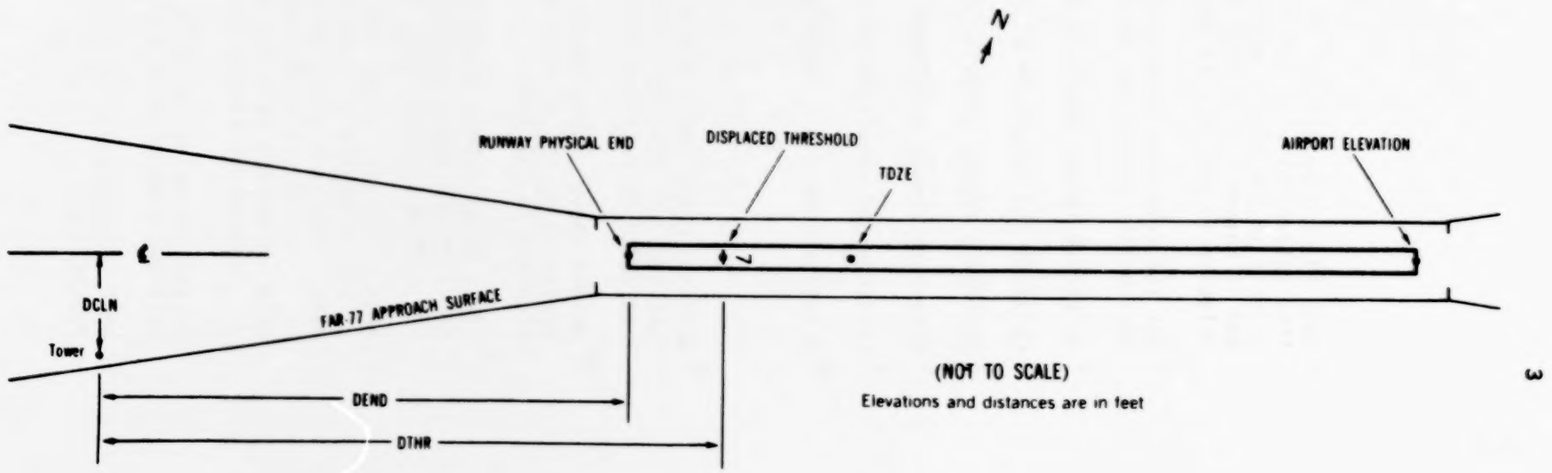

(NOT TO SCALE)

Elevations and distances are in feet

EXPLANATION OF FOOTNOTES

[1] Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary area of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.

[2] For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)

[3] Reference runway approach physical end elevation/touchdown zone elevation

[4] Latitude and longitude of reference runway approach physical end

[5] Reference runway geodetic azimuth reckoned clockwise from south

[6] Reference runway displaced threshold elevation/touchdown zone elevation

[7] Latitude and longitude of reference runway displaced threshold

[8] Accuracy Code:

Horizontal	Vertical
1 = 20	A = 2
2 = 40	B = 5
	C = 20

[9] Mean Sea Level (MSL) elevation at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.

[10] Height above ground level (AGL). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ±10 feet.

[11] HAA - Height above airport
HAR - Height above reference runway approach physical end
HAT - Height above reference runway touchdown zone elevation

[12] DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway threshold
DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft.

A negative value for DEND or DTHR indicates object is in primary area on roll-out side of zero distance point.

[13] PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

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AIRPORT ELEVATION 975

9 C 950/ 404224.817N 08402 9.628W 2700025 952/963 404224.816N 08402 5.312W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	404221.73	0840100.65	1A	983		33	20	8	-5312	-4980	311R	8
BUSH	404222.23	0840103.86	1A	983		33	20	8	-5065	-4733	261R	8
BUSH	404220.28	0840108.35	1A	984		34	21	9	-4720	-4388	458R	11
OL ON GLIDE SLOPE	404228.76	0840116.42	1A	1005		55	42	30	-4098	-3766	400L	36
BUSH	404221.53	0840119.83	1A	979		29	16	4	-3836	-3503	332R	11
OL ON LIGHTED WINDSOCK	404228.78	0840132.71	1A	983		33	20	8	-2843	-2511	402L	21
TREE	404229.18	0840141.83	1A	973		23	10	-2	-2141	-1808	442L	14
BUSH	404227.64	0840145.76	1A	966		16	3	-9	-1838	-1506	286L	7
TREE	404222.23	0840154.46	1A	964		14	1	-11	-1168	-835	261R	8
TREE	404219.98	0840205.55	1A	971		21	8	-4	-314	18	489R	19
TREE	404221.48	0840210.49	1A	969		19	6	-6	66	399	337R	19
BUSH	404226.08	0840211.89	1A	957		7	-6	-18	174	507	128L	7
ANTENNA ON BUILDING	404222.27	0840213.02	1A	960		10	-3	-15	261	593	258R	8
OL ON LOCALIZER	404224.81	0840213.26	1A	956		6	-7	-19	280	612	0R	4
TREE	404230.51	0840240.16	1A	1015		65	52	40	2351	2684	576L	2

OC5143

AIRPORT ELEVATION 975

27 PIR 975/975 404224.805N 08401 2.777W 0900108

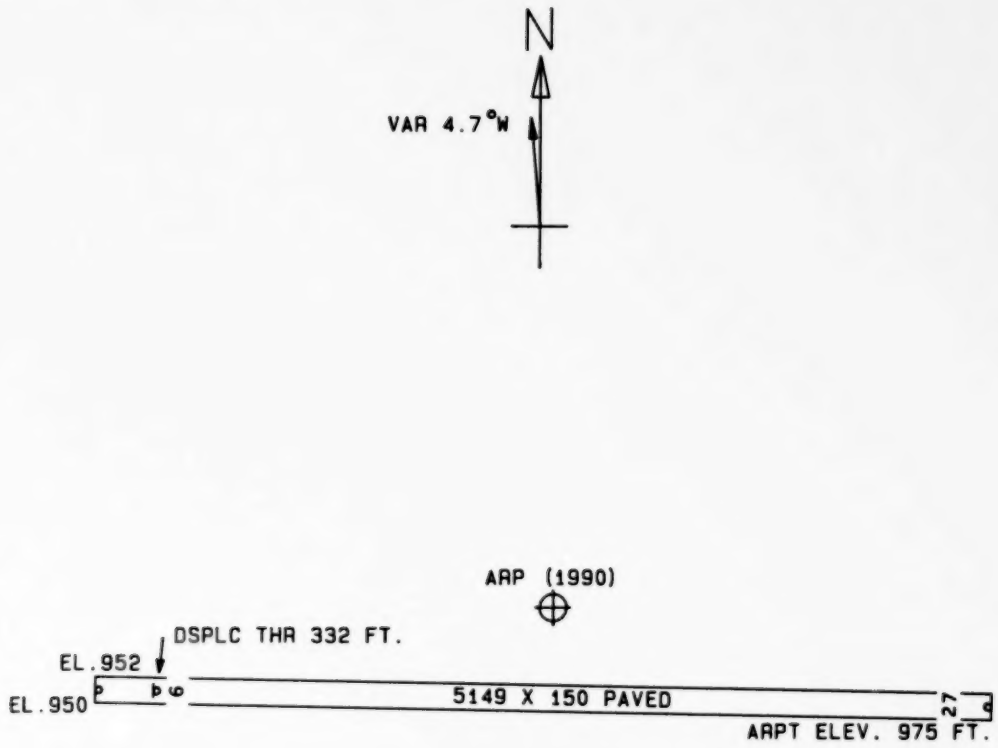
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	404226.08	0840211.89	1A	957		-18	-18	-18	-5323		128R	7
TREE	404221.48	0840210.49	1A	969		-6	-6	-6	-5215		337L	19
TREE	404219.98	0840205.55	1A	971		-4	-4	-4	-4834		489L	19
TREE	404222.23	0840154.46	1A	964		-11	-11	-11	-3981		261L	8
BUSH	404227.64	0840145.76	1A	966		-9	-9	-9	-3310		286R	7
TREE	404229.18	0840141.83	1A	973		-2	-2	-2	-3008		442R	14
OL ON LIGHTED WINDSOCK	404228.78	0840132.71	1A	983		8	8	8	-2305		402R	21
BUSH	404221.53	0840119.83	1A	979		4	4	4	-1313		332L	11
OL ON GLIDE SLOPE	404228.76	0840116.42	1A	1005		30	30	30	-1051		400R	36
BUSH	404220.28	0840108.35	1A	984		9	9	9	-429		458L	11
BUSH	404222.23	0840103.86	1A	983		8	8	8	-84		261L	8
BUSH	404221.73	0840100.65	1A	983		8	8	8	164		311L	8
GROUND	404223.21	0840058.76	1A	981		6	6	6	310		161L	4
TREE	404226.97	0840054.10	1A	1003		28	28	28	668		219R	19
TREE	404220.69	0840051.31	1A	1006		31	31	31	884		416L	17
TREE	404228.59	0840047.49	1A	1010		35	35	35	1177		383R	15
TREE	404224.68	0840047.50	1A	1010		35	35	35	1177		13L	15
TREE	404219.28	0840047.31	1A	1029		54	54	54	1192		559L	34
TREE	404222.03	0840039.91	1A	1026		51	51	51	1761		280L	20
TREE	404232.73	0840033.74	1A	1030		55	55	55	2236		803R	14
TREE	404228.49	0840014.02	1A	1052		77	77	77	3755		375R	6
OL ON TRANSMISSION TOWER	404234.48	0835934.51	1A	1099		124	124	124	6797		982R	-8
OL ON TRANSMISSION TOWER	404222.79	0835934.16	1A	1110		135	135	135	6825		200L	2
OL ON TRANSMISSION TOWER	404212.56	0835934.14	1A	1103		128	128	128	6827		1236L	-5

OC5143

AIRPORT ELEVATION 975

ARP 404229.980N 0840135.592W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	404230.04	0840137.97	1A	974		-1	276 28	183
FLOODLIGHT	404217.88	0840137.50	1A	992		17	191 32	1233
TREE	404232.77	0840119.41	1A	1004		29	81 55	1278
ROD ON OL AIRPORT BEACON	404215.92	0840134.59	1A	1019		44	181 35	1425
FLOODLIGHT	404216.96	0840145.14	1A	997		22	213 52	1509
TREE	404218.16	0840121.10	1A	1007		32	141 41	1636
OL HANGAR	404215.94	0840154.90	1A	989		14	231 1	2056
TREE	404231.85	0840210.23	1A	981		6	278 46	2674
BUSH	404230.44	0840100.36	1A	985		10	93 43	2714
TREE	404219.56	0840210.23	1A	971		-4	253 8	2868
TREE	404231.27	0840214.15	1A	977		2	277 14	2972
TREE	404219.06	0840214.13	1A	987		12	254 17	3167
TREE	404216.69	0840215.89	1A	1022		47	251 16	3383
TREE	404216.63	0840222.13	1A	1017		42	254 3	3830
TREE	404236.05	0840240.48	1A	1032		57	281 43	5035
TRANSMISSION TOWER	404204.46	0835934.06	1B	1110		135	110 7	9710



TOUCHDOWN ZONE RUNWAY	ELEVATION
9	963
27	975

LIMA ALLEN COUNTY AIRPORT

LIMA, OHIO

(NOT TO SCALE)